FIG. 4

	1	2	3	4	5	6	7
	PI.HTR	P.HR	POHTR	L138.8A	PI.HTR	Liver DBA/2	Spleen DBA/2
	P1A probe a			P1A pi	robe b	· •	
kb 2.6 → 1.5 → 1.2 →			では、「大きない」では、「ちない」では、「ない、「ない」では、「ない、「ない」では、「ない」では、「ない、「ない」では、「ない、「ない、「ない、「ない、「ない、「ない、「ない、「ない」では、「ない、「ない、「ない、「ない、「ない、「ない、「ない、「ない、「ない、「ない				
		ß-actin probe					
							The state of the s

Leu-Pro-Tyr-Leu-Gly-Trp-Leu

Figure 10

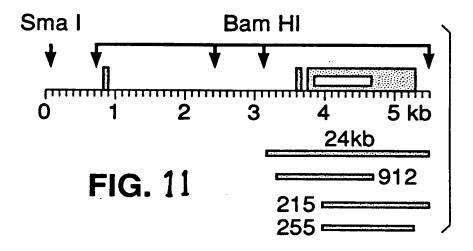


FIG. 12

WAGE-3 111	WAGE-3 III cereceasasteerassesteerecaseereceataceaseasasassassassassassassassassassassas
WAGE-2 II	WAGE-2 // CCICCCACAGICCICAGGGAGCCICCAGGITCLCGACIACCAICAACIACACTACACICLTGGAGACAATCCGAIGAGGGCTCCAGCAACCAAGAGAGAGGGGGGGGGG
WAGE-1 1	

- III GGCCAAGCACCTtcccTgaCC-TGGAGTCCgaGTTCCaAGCAGCACTCAGTAGGAAGGTGGCcGAGTTGGTTcaTTTTCTGCTCCTCAAgTATCGAGCCA GGCCAAGAAtgTtTcccgaCCtTGGAGTCCGAGTTCCaAGCAGCAATCAGTAGGAAGaTGGtTGAGTTGGTTcaTTTTCTGCTCCTCAAgTATCGAGCCA
- gega geca getra capada geca gada da genega getra e capada a parte de la composta de composta de composta de com 100 de composta de compost GGGAGCCGGTCACAAAGGCAGAAATGCTGGAGAGTGTCCTCAGAAATTGCCAGGACTtcTTTCCCGtGATCTTCAGCAAAGCCTCcGAGTaCTTGCAGCT
- GOTOTTTGGCATTGACGTGAAGGAAGCAGACCCCACCGGCCACTCCTATGTCTTGTCACCTGCCTAGGTCTCTCCTATGATGGCCTGCTGGGTGATAAT. 525 /// GGTCTTTGGCATcGAgcTGAtGGAAGtgGACCCCAtCGGCCACTtgTAcaTCtTTGcCACCTGCCTGGGcCTCCTAcGATGGCCTGCTGGGTGAAT GGTCTTTGGCATcGAGGTGGtGGAAGtgGtCCCCAtCaGCCACTtgTAcaTCCTTGTCACCTGCCTGGGcCTCTCCTAcGATGGCCTGCTGGGCGACAAT
- III CAGATCATGCCCAAGGCAGGCCTCCTGGATAATcGTCCTGGcCATaATcGCAAgaGAGGGCGaCtgTGCcCCTGAGGAGAAAATCTGGGAGGAGCTGAGTG
 - CAGGTCATGCCCAAGACAGGCCTCCTGATAATCGTC-TGGCCATAATCGCAATAGAGGGCGACtgTGCCCCTGAGGAGAAAATCTGGGAGGAGCTGAGTA
- CAGATCATGCCCAAGACAGGCTTCCTGATAATTGTCCTGGTCATGATTGCAATGGAGGGGGCCATGCTCCTGAGGAGGAAATCTGGGAGGAGCTGAGTG

β-action	MAGE	PROBES	
		MZ2-MEL.3.0 MZ2-MEL 1982 MZ2-MEL.2.2 E- MZ2-PBL-PHA Lung Kidney	FIG. 13
•		MZ2-MEL 3.0 MZ2-CTL 82/30	
		LB34-MEL LB17-MEL MI665/2-MEL LB41-MEL MI10221-MEL MI13443-MEL SK23-MEL SK33-MEL	Other melanomas
		LB4-MEL MI4024-MEL MZ3-MEL MZ5-MEL SK29-MEL LB31-COL LS411-COL	
		H209-SCLC H345-SCLC H510-SCLC TT	Other tumors

FIG. 14

Expression of antigen MZ2-E after transaction**

		EXPRSSION OF MAGE GENE FAMILY			RECOGNITIN BY ANI-E CTL			
		Northern blot probed with ofigonucleotide specificorss-reactive		specific for	for:			
		MAGE-1 probe*	MAGE-1	MAGE-2	MAGE-3†	TNF release:	Lysis§ /	
Cells of patient MZ2	melanoma cell line MZ2-MEL3.0	-	++++	####	++++		-‡-	<u> </u>
	tumor sample MZ2 (1982)	+	+++	+++	+++		Ť	
	antigen-loss variant MZ2-MEL22	+	_	+++	+++	_	-	
	CTL done MZ2-CTL.82/30	_	_	-	-			
	PHA-activated blood lymphocytes	_	-	-	-			
Normal tissues	Liver	-	_	_	_			
	Muscle	_	-	-	_			
	Skin	_	-	-	_			
	Lung	-	-	-	_			
	Brain	-	-	-	-			
	Kidney	-	-	-	-			
Melanoma cell lines of	LB34-MEL	+	++	++++	++++	+	+-	
HLA-A1 patients	MI665/2-MEL	_	-	-	-	_	_	+
	MI10221-MEL	+	-	++	+++	_	_	+
	MI13443-MEL	+	+++	++++	++++	+	+	
	SK33-MEL	+	-	++++	++++	_	_	_
	SK23-MEL	+	-	++++	++++	-	-	+
Melanoma cell lines of	LB17-MEL	+	+	++++	++++	_	_	_
other patients	LB33-MEL	+	-	+++	+++	_	-	_
	LB4-MEL	-	_	-	-	-	-	
	LB41-MEL	-	-	-	-	-	_	
	MI4024-MEL	+	+++	++++	++++	-	-	
	SK29-MEL	-	-	-	-	-	-	
	MZ3-MEL	+	+	++++	++++	-	-	
	MZ5-MEL	+	-	++++	++++	-	-	
Melanoma tumor sample	BB5-MEL	+	***	**	+++			
Other tumor cell lines	small cell lung cancer H209	+		++++	++++			
	small cell lung cancer H345	+	-	++++	++++			
	small cell lung cancer H510	+	-	++++	++++			
	small cell lung cancer LB11	+	+	++++	++++			
	bronchial squamous cell carcinoma		-	-	+++			
	thyroid medullary carcinoma TT	+	++++	+++	++++			
	colon carcinoma LB31	+	_	+++	++++	-		
	colon carcinoma LS411	-	-	-	-			
Other tumor samples	chronic myeloid leukemia LLC5	_	_	_	_			
· · · · · · · · · · · · · · · · · · ·	acute myeloid leukemia TA	_	_	_	_			
		_	_	_	_			

^{*} Data obtained in the conditions of figure 5.

[†] Data obtained as described in figure 6.
‡ TNF release by CTL 82/30 after stimulation with the tumor cells as described in (11).
§ Lysis of 51 Cr labelled target by CTL 82/30 in the conditions of figure 1.

** Cells transfected with the 2.4 kb fragment of gene MAGE-1 were tested for their ability fo stimulate TNF release by CTL 82/30

FIG. 15

MZ2-CTL 82/30 MZ2-MEL.3.0 (E+)

-12 kb

- 8



- 4

-3

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